

GenCore version 5.1.7
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OM nucleic - nucleic search, using sw model

Run on: April 11, 2006, 17:45:01 ; Search time 706.552 Seconds

(without alignments)
11734.281 Million cell updates/sec

Title: US-08-939-905D-1

Perfect score: 1244

Sequence: 1 atgggttcacgctgctatt.....ttaaggtacttaattaatca 1244

Scoring table: IDENTITY_NUC

Gapop 10.0 , Gapext 1.0

Searched: 4996997 seqs, 332346308 residues

Total number of hits satisfying chosen parameters: 9993994

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 100 summaries

Database : N_Geneseq_21.*

1: geneseqn1980s.*

2: geneseqn1990s.*

3: geneseqn2000s.*

4: geneseqn2001as.*

5: geneseqn2001bs.*

6: geneseqn2002as.*

7: geneseqn2002bs.*

8: geneseqn2003as.*

9: geneseqn2003bs.*

10: geneseqn2003cs.*

11: geneseqn2003ds.*

12: geneseqn2004as.*

13: geneseqn2004bs.*

14: geneseqn2005s.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	1244	100.0	1244	2 AAV30460	AAV30460 Soybean s
2	1244	100.0	1244	2 AAV59077	AAV59077 Soybean s
3	1244	100.0	1244	14 AEB48290	AEB48290 Soybean s
4	1244	100.0	1348	13 ADT18491	ADT18491 Plant cDN
5	1200	96.5	1200	14 AEB48312	AEB48312 Soybean s
6	1056	84.9	1056	9 ADA01016	ADA01016 cDNA enco
7	920	74.0	1031	14 AEB48299	AEB48299 Soybean s
8	669	53.8	3359	2 AAV59078	AAV59078 Soybean s
9	669	53.8	3359	14 AEB48311	AEB48311 Soybean s
10	669	53.8	4700	2 AAV30461	AAV30461 Soybean s
11	669	53.8	4700	2 AAZ229902	AAZ229902 Nucleotid
12	669	53.8	4700	14 AEB48291	AEB48291 Soybean s
13	624	50.2	4655	9 ADA01015	ADA01015 Genomic D
14	613	49.3	4648	9 ADA01019	ADA01019 Soybean D
15	562	45.2	1200	14 AEB48303	AEB48303 Medicago
16	534.4	43.0	1200	14 AEB48300	AEB48300 Medicago
17	532.4	42.8	1200	14 AEB48301	AEB48301 Medicago
18	511.2	41.1	1200	14 AEB48302	AEB48302 Medicago
19	363.2	29.2	1294	3 AAC33558	AAC33558 Arabidops

20	356.2	28.6	1008	6 ABZ13909	ABZ13909 Arabidops
21	356.2	28.6	1008	8 ADA67811	ADA67811 Arabidops
22	347.6	27.9	1351	3 AAC47823	AAC47823 Arabidops
23	346.2	27.8	1050	8 ABZ42069	ABZ42069 Arabidops
24	346.2	27.8	1095	3 AAC44309	AAC44309 Arabidops
25	345.6	27.8	1077	6 ABZ14175	ABZ14175 Arabidops
26	345.6	27.8	1077	8 ADA67820	ADA67820 Arabidops
27	338.2	27.2	1194	3 AAC33091	AAC33091 Arabidops
28	335	26.9	1050	6 ADG87952	ADG87952 A. thalia
29	335	26.9	1050	6 ADG87951	ADG87951 A. thalia
30	335	26.9	1050	8 ABZ42068	ABZ42068 Arabidops
31	335	26.9	1050	8 ADA68566	ADA68566 Arabidops
32	335	26.9	1050	12 ADN73286	ADN73286 Thale cre
33	335	26.9	1109	3 AAC42357	AAC42357 Arabidops
34	313	25.2	1062	6 ABL59170	ABL59170 Nucleotid
35	313	25.2	1062	9 ACA63364	ACA63364 Gene enco
36	309.4	24.9	1065	3 AAC51563	AAC51563 Arabidops
37	309.4	24.9	1065	13 ADU20632	ADU20632 A. thalia
38	309.4	24.9	1065	13 ADU20411	ADU20411 A. thalia
39	308.2	24.8	1059	6 ABZ14520	ABZ14520 Arabidops
40	308.2	24.8	1059	6 ADG87949	ADG87949 A. thalia
41	308.2	24.8	1059	8 ABZ42086	ABZ42086 Arabidops
42	308.2	24.8	1177	3 AAC47869	AAC47869 Arabidops
43	305.4	24.5	924	1 AAN81508	AAN81508 Horseradi
44	304.4	24.5	1062	6 ABZ13652	ABZ13652 Arabidops
45	304.4	24.5	1062	6 ADG87654	ADG87654 A. thalia
46	304.4	24.5	1062	6 ADG87655	ADG87655 A. thalia
47	304.4	24.5	1062	8 ADA68053	ADA68053 Arabidops
48	304.4	24.5	1062	13 ADU20634	ADU20634 A. thalia
49	304.4	24.5	1305	3 AAC51562	AAC51562 Arabidops
50	304.4	24.5	2118	3 AAC51464	AAC51464 Arabidops
51	303	24.4	1065	3 AAC41661	AAC41661 Arabidops
52	296.4	23.8	1305	3 AAC47953	AAC47953 Arabidops
53	296.2	23.8	1270	2 AAQ87101	AAQ87101 The Tpa g
54	296.2	23.8	1270	2 AAQ63685	AAQ63685 Full-leng
55	296.2	23.8	1270	2 AAQ03970	AAQ03970 Full leng
56	292	23.5	1085	3 AAC44815	AAC44815 Arabidops
57	289.8	23.3	975	4 AAF62771	AAF62771 Nicotiana
58	286.2	21.6	1131	2 AAQ06207	AAQ06207 Cucumbe
59	267.8	21.5	1131	2 AAV62837	AAV62837 Cucumbe
60	267.8	21.5	1131	2 AAV81611	AAV81611 Basic cuc
61	251.4	20.2	927	1 AAN93078	AAN93078 Sequence
62	248.6	20.0	1064	2 AAQ87093	AAQ87093 Tpa-1 pha
63	248.6	20.0	1064	2 AAT63677	AAT63677 Peroxidase
64	248.6	20.0	1064	2 AAX03962	AAX03962 Anionic t
65	241	19.4	999	11 ADJ11733	ADJ11733 Rice cDNA
66	241	19.4	1002	8 ADA70227	ADA70227 Rice gene
67	241	19.4	1002	11 ADJ11381	ADJ11381 Rice DNA
68	239.8	19.3	927	3 AAZ50793	AAZ50793 Horseradi
69	239.8	19.3	927	3 AAZ50794	AAZ50794 Horseradi
70	239.8	19.3	927	3 AAZ50791	AAZ50791 Horseradi
71	239.8	19.3	927	3 AAZ50790	AAZ50790 Horseradi
72	239.8	19.3	927	3 AAZ50792	AAZ50792 Horseradi
73	239.8	19.3	927	3 AAZ34931	AAZ34931 Horseradi
74	239.8	19.3	927	5 AA165875	AA165875 Nucleotid
75	239.8	19.3	927	5 AA165879	AA165879 Nucleotid
76	239.8	19.3	927	5 AA165878	AA165878 Nucleotid
77	239.8	19.3	927	5 AA165876	AA165876 Nucleotid
78	239.8	19.3	927	5 AA165877	AA165877 Nucleotid
79	239.8	19.3	927	6 ABL60811	ABL60811 Recombina
80	239.8	19.3	1055	1 AAN90762	AAN90762 Synthetic
81	238.6	19.2	955	1 AAN90760	AAN90760 Synthetic
82	238.2	19.1	927	3 AAZ50795	AAZ50795 Horseradi
83	238.2	19.1	927	3 AAZ50798	AAZ50798 Horseradi
84	238.2	19.1	927	3 AAZ50799	AAZ50799 Horseradi
85	238.2	19.1	927	5 AA165881	AA165881 Nucleotid
86	238.2	19.1	927	5 AA165882	AA165882 Nucleotid
87	238.2	19.1	927	5 AA165880	AA165880 Nucleotid
88	236.6	19.0	927	3 AAZ50800	AAZ50800 Horseradi
89	236.6	19.0	927	5 AA165883	AA165883 Nucleotid
90	235	18.9	927	3 AAZ50801	AAZ50801 Horseradi
91	235	18.9	927	5 AA165884	AA165884 Nucleotid
92	233.8	18.8	1186	3 AAC34393	AAC34393 Arabidops

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OM nucleic - nucleic search, using sw model
Run on: April 11, 2006, 17:48:45 ; Search time 6171.24 Seconds
(without alignments)
11458.523 Million cell updates/sec

Title: US-08-939-905D-1
Perfect score: 1244
Sequence: 1 atgggttcacgtcgtatt.....ttaaggtaacttaataca 1244

Scoring table: IDENTITY NUC
Gapop 10.0 , Gapext 1.0

Searched: 5883141 seqs, 28421725653 residues

Total number of hits satisfying chosen parameters: 11766282

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 100 summaries

Database : GenEmbl.*
1: gb.ba.*
2: gb.in.*
3: gb.env.*
4: gb.om.*
5: gb.ov.*
6: gb.pat.*
7: gb.ph.*
8: gb.pr.*
9: gb.ro.*
10: gb.sts.*
11: gb.sy.*
12: gb.un.*
13: gb.vi.*
14: gb.htg.*
15: gb.pl.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES				Description	
Result No.	Score	Query Match	Length DB ID		
1	1244	100.0	1244 15	SOYCVH63A	L78163 Glycine max
2	1056	84.9	1056 6	AR351556	AR351556 Sequence
3	920	74.0	1031 15	GMU41657	U41657 Glycine max
4	669	53.8	3359 15	SOYCVH63SC	L81148 Glycine max
5	669	53.8	4700 6	BD244520	BD244520 Seed coat
6	669	53.8	4700 15	AF014502	AF014502 Glycine m
7	624	50.2	4655 6	AR351555	AR351555 Sequence
8	616.4	49.5	1176 15	AF149277	AF149277 Phaseolus
9	613	49.3	4648 6	AR351558	AR351558 Sequence
10	569.2	45.8	1287 15	AF007211	AF007211 Glycine m
11	562	45.2	1220 15	MSRNPAP1A	X90692 M.sativa mr
12	559.4	45.0	1351 15	AF403735	AF403735 lupinus a
13	552.4	44.4	1199 15	AB193818	AB193818 Pisum sat
14	536.6	43.1	1311 15	SSNPEROX1B	L36111 Stylosanthe
15	534.4	43.0	1238 15	MSRNPAP1B	X90693 M.sativa mr
16	532.4	42.8	1287 15	MSRNPAP1C	X90694 M.sativa mr
17	529.4	42.6	1246 15	AB193817	AB193817 Pisum sat
18	526.4	42.3	1462 15	AB193820	AB193820 Pisum sat

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OM nucleic - nucleic search, using sw model

Run on: April 11, 2006, 17:48:45 ; Search time 23315.8 Seconds

(without alignments)
11458.523 Million cell updates/sec

Title: US-08-939-905D-2

Perfect score: 4700

Sequence: 1 tagataaaaaatgggatat.....ttaaggtaacttaataatca 4700

Scoring table: IDENTITY NUC

Gapop 10_0 , Gapext 1.0

Searched: 5883141 seqs, 28421725653 residues

Total number of hits satisfying chosen parameters: 11766282

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 100 summaries

Database : GenEmbl.*

1: gb_ba.*

2: gb_in.*

3: gb_env.*

4: gb_om.*

5: gb_ov.*

6: gb_pat.*

7: gb_ph.*

8: gb_pr.*

9: gb_ro.*

10: gb_sts.*

11: gb_sy.*

12: gb_un.*

13: gb_vi.*

14: gb_hcg.*

15: gb_pl.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	4700	100.0	4700	6	BD244520 Seed coat
2	4700	100.0	4700	15	AF014502 Glycine m
3	4632.6	98.6	4655	6	AR351555 Sequence
4	4613.6	98.2	4648	6	AR351558 Sequence
5	3359	71.5	3359	15	SOYCVH63SC
6	669	14.2	1244	15	SOYCVH63A
7	559	11.9	1031	15	GMU41657
8	481	10.2	1056	6	AR351556 Sequence
9	295.6	6.3	4441	15	MSA306689
10	286.4	6.1	1176	15	AF149277
11	264.2	5.6	1220	15	MSRNAPE1A
12	255.4	5.4	1351	15	AF403735
13	249.8	5.3	1311	15	SSNPEROXIB
14	248.2	5.3	1199	15	AB193818
15	240.4	5.1	2428	15	POPP2
16	238.4	5.1	1271	15	ALFPXDA
17	237.2	5.0	1287	15	MSRNAPE1C
18	235.4	5.0	1170	15	AB087838 Pisum sat

19	235.4	5.0	1462	15	AB193820
20	232.8	5.0	1224	15	AB193819 Pisum sat
21	232.8	5.0	1287	15	AF007211 Glycine m
22	229	4.9	1238	15	MSRNAPE1B
23	223.4	4.8	1246	15	AB193817 Pisum sat
24	220.4	4.7	1019	15	AF405327
25	218.4	4.6	1169	15	ALFPXDC
26	187	4.0	1371	15	PTPXPAPER
c	180	3.8	71277	15	AF002032
28	179.6	3.8	1279	15	IBA242742
29	179	3.8	3040	15	POPP1
30	178.8	3.8	1170	15	POPPB
31	176.2	3.7	1291	15	AY519359
32	174.8	3.7	96953	15	AC149540
33	173	3.7	1212	15	ATPAP2A2A
34	173	3.7	1233	15	AY056186
35	173	3.7	1294	15	AY087674
36	172.2	3.7	1143	15	POPP01
37	171.6	3.7	1836	15	POPP02
38	170.2	3.6	1039	15	AY096713
39	169.2	3.6	1008	6	AX507019
40	169.2	3.6	1008	6	AX651264
41	168.8	3.6	1267	15	AF479623
42	167.8	3.6	1324	15	AF488305
43	167.6	3.6	1414	15	AY519360
44	165.8	3.5	959	15	AB206042
45	164.2	3.5	1461	15	PTPXPAPER
46	162.6	3.5	1202	15	PTPXPAPER
47	162.6	3.5	1222	15	PTPXPAPER
48	160.2	3.4	1077	6	AX507285
49	160.2	3.4	1077	6	AX651273
50	160.2	3.4	1108	15	BT008584
51	160.2	3.4	1296	15	AK118827
52	160.2	3.4	1351	15	AY088509
53	160	3.4	2733	15	HRAPRXC3
54	158.6	3.4	1115	15	POPPA
c	156.8	3.3	8056	6	AX599046
55	156.8	3.3	2459	15	AF149280
56	155.8	3.3	84504	14	AF007910
c	155.6	3.3	1390	15	AY206410
57	153.4	3.3	81467	15	AC004683
c	151.8	3.2	3020	15	ATHPRECA
60	151.8	3.2	1268	15	LINPEROX
61	151.6	3.2	954	15	POPHOX14
62	151.4	3.2	1050	6	AX589923
63	150.2	3.2	1120	15	BT001238
64	150.2	3.2	1120	15	BT001238
65	150.2	3.2	1199	15	AF452385
66	150.2	3.2	1231	15	AY099555
67	148.6	3.2	1050	6	CQ804770
68	148.6	3.2	1050	6	AX412629
69	148.6	3.2	1050	6	AX412630
70	148.6	3.2	1050	6	AX589921
71	148.6	3.2	1050	6	AX651689
72	148.6	3.2	1081	15	AY059106
73	148.6	3.2	1177	15	AF452388
74	148.6	3.2	1248	15	AY035033
c	148.2	3.2	155108	14	AF007528
76	145.2	3.1	1389	15	HRAHRCB
77	143.4	3.1	3261	15	TOBPD
78	142.2	3.0	753	15	ATP29A
79	141.8	3.0	1366	15	AJ781007
80	140	3.0	3436	15	ATHPRXA
81	140	3.0	85109	15	ATT2J13
c	140	3.0	129757	15	AX081286
82	138.2	2.9	975	6	AX081286
83	138.2	2.9	987	15	AF455807
84	138.2	2.9	1196	15	LECEV1A
85	137.8	2.9	766	15	AY423440
86	137.2	2.9	3944	15	LEV19023
87	137.2	2.9	762	15	AY521529
88	136	2.9	8056	6	AX599046
89	135.6	2.9	1064	6	AR034941
90	135.6	2.9	1064	6	AR034941
91	135.6	2.9	1064	6	I36771

AB193820	Pisum sat
AB193819	Pisum sat
AF007211	Glycine m
X90693	M.sativa mR
AB193817	Pisum sat
AF405327	Lupinus a
L36157	Medicago sa
X97351	P.trichocar
AF002032	Arabidops
AJ242742	Ipomoea b
D38050	Populus kit
D30653	Populus kit
AY519359	Arabidops
AC149540	Populus t
X99552	A.thaliana
AY056186	Arabidops
AY087674	Arabidops
D83224	Populus nig
D83225	Populus nig
AY096713	Arabidops
AX507019	Sequence
AX651264	Sequence
AF479623	Ficus car
AF488305	Gossypium
AY519360	Arabidops
AB206042	Populus a
X97348	P.trichocar
X97349	P.trichocar
X97350	P.trichocar
AX507285	Sequence
AX651273	Sequence
BT008584	Arabidops
AK118827	Arabidops
AY088509	Arabidops
D90116	Armoracia r
D30652	Populus kit
AX599046	Sequence
AF149280	Phaseolus
AP007910	Lotus cor
AY206410	Ipomoea b
AC004683	Arabidops
M58381	Arabidops
L07554	Linum usita
D13683	Populus kit
AX589923	Sequence
BT001238	Arabidops
AF452385	Arabidops
AY099555	Arabidops
CQ804770	Sequence
AX412629	Sequence
AX412630	Sequence
AX589921	Sequence
AX651689	Sequence
AY059106	Arabidops
AF452388	Arabidops
AY035033	Arabidops
AP007528	Lotus cor
M37157	A.rusticana
D11396	Nicotiana t
Y11794	A.thaliana
AJ781007	Raphanus
M58380	Arabidops
AL132967	Arabidops
AL132956	Arabidops
AX081286	Sequence
AF455807	Nicotiana
X71593	L.esculentu
AY423440	Brassica
Y19023	Lycopersico
AY521529	Brassica
AX599046	Sequence
AR034941	Sequence
I36771	Sequence 15

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OM nucleic - nucleic search, using sw model

Run on: April 11, 2006, 17:45:01 ; Search time 2669.45 Seconds
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11734.281 Million cell updates/sec

Title: US-08-939-905D-2

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Maximum Match 100%

Listing first 100 summaries

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N Geneseqn_21.*

1: geneseqn1980s.*

2: geneseqn1980s.*

3: geneseqn2000s.*

4: geneseqn2000s.*

5: geneseqn2001bs.*

6: geneseqn2002as.*

7: geneseqn2002bs.*

8: geneseqn2003as.*

9: geneseqn2003bs.*

10: geneseqn2003cs.*

11: geneseqn2003ds.*

12: geneseqn2004as.*

13: geneseqn2004bs.*

14: geneseqn2005s.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match %	Length	ID	Description
1	4700	100.0	4700	2	AAV30461 Soybean s
2	4700	100.0	4700	2	AAZ229802 Nucleotid
3	4700	100.0	4700	14	AEBA8291 Soybean s
4	4632.6	98.6	4655	9	ADA01015 Genomic D
5	4613.6	98.2	4648	9	ADA01019 Soybean D
6	3359	71.5	3359	14	AEBA8311 Soybean s
7	3355.8	71.4	3359	2	AAV59078 Soybean s
8	1532	32.6	1532	14	AEBA8317 Soybean s
9	1524	32.4	1524	14	AEBA8318 Soybean s
10	1074	22.9	1074	14	AEBA8319 Soybean s
11	669	14.2	1244	2	AAV30460 Soybean s
12	669	14.2	1244	2	AAV59077 Soybean s
13	669	14.2	1244	14	AEBA8290 Soybean s
14	669	14.2	1348	13	ADT18491 Plant CDN
15	625	13.3	1200	14	AEBA8312 Soybean s
16	559	11.9	1031	14	AEBA8299 Soybean s
17	481	10.2	1056	9	ADA01016 cDNA enco
18	467	9.9	467	14	AEBA8320 Soybean s
19	264.2	5.6	1200	14	AEBA8303 Medicago

20	238.4	5.1	1200	14	AEBA8302
21	237.2	5.0	1200	14	AEBA8301 Medicago
22	229	4.9	1200	14	AEBA8300 Medicago
23	207	4.4	207	14	AEBA8321 Soybean s
24	173	3.7	1294	3	AAC33558 Arabidops
25	169.2	3.6	1008	6	ABZ13909 Arabidops
26	169.2	3.6	1008	8	ADA67811 Arabidops
27	160.2	3.4	1077	6	ABZ14175 Arabidops
28	160.2	3.4	1077	8	ADA67820 Arabidops
29	160.2	3.4	1351	3	AAC47823 Arabidops
30	156.8	3.3	8056	8	ABZ10246 Haematopo
31	153.2	3.3	691	10	ADK53798 Plant DNA
32	150.2	3.2	1050	8	ABZ42069 Arabidops
33	150.2	3.2	1035	3	AAC44309 Arabidops
34	148.6	3.2	787	6	ABN99084 Arabidops
35	148.6	3.2	1050	6	ADG87952 A. thalia
36	148.6	3.2	1050	6	ADG87951 A. thalia
37	148.6	3.2	1050	8	ABZ42068 Arabidops
38	148.6	3.2	1050	8	ADA68566 Arabidops
39	148.6	3.2	1050	12	ADN73286 Thale cre
40	148.6	3.2	1109	3	AAC42357 Arabidops
41	148.6	3.2	1194	3	AAC33091 Arabidops
42	147	3.1	1519	3	AAC52185 Arabidops
43	136.6	2.9	975	4	AAC62771 Nicotiana
44	135.8	2.9	8056	8	ABZ10246 Haematopo
45	135.6	2.9	1064	2	AAQ87093 Tpa-1 pha
46	135.6	2.9	1064	2	AAT63677 Peroxidas
47	135.6	2.9	1084	2	AAQ03962 Antonic t
48	135.6	2.9	1270	2	AAQ87101 The Tpa g
49	135.6	2.9	1270	2	AAT63685 Full-leng
50	135.6	2.9	1270	2	AAC03970 Full leng
51	127.6	2.7	1062	6	ABZ13652 Arabidops
52	127.6	2.7	1062	6	ADG87654 A. thalia
53	127.6	2.7	1062	6	ADG87655 A. thalia
54	127.6	2.7	1062	8	ADA68053 Arabidops
55	127.6	2.7	1062	13	ADU20634 A. thalia
56	127.6	2.7	1305	3	AAC51562 Arabidops
57	127.6	2.7	2118	3	AAC51464 Arabidops
58	127.4	2.7	743	6	ABQ5469 Arabidops
59	127.4	2.7	1059	6	ABZ14520 Arabidops
60	127.4	2.7	1059	6	ADG87949 A. thalia
61	127.4	2.7	1059	8	ABZ42086 Arabidops
62	127.4	2.7	1177	3	AAC47869 Arabidops
63	125	2.7	975	4	AAC62773 Synthetic
64	124.4	2.6	1065	3	AAC51563 Arabidops
65	124.4	2.6	1065	13	ADU20632 A. thalia
66	124.4	2.6	1065	13	ADU20411 A. thalia
67	124	2.6	1062	6	ABL59170 Nucleotid
68	124	2.6	1062	9	ACA63364 Gene enco
69	122.8	2.6	924	1	AAN81508 Horseradi
70	121.2	2.6	1065	3	AAC41661 Arabidops
71	121.2	2.6	1131	2	AAQ06207 Cucumbe
72	121.2	2.6	1305	3	AAC47953 Arabidops
73	120.8	2.6	1131	2	AAV62837 Cucumbe
74	120.8	2.6	1131	2	AAV81611 Basic cuc
75	118	2.5	927	3	AAC50790 Horseradi
76	118	2.5	927	3	AAC34931 Horseradi
77	118	2.5	927	5	AAI65875 Nucleotid
78	118	2.5	927	6	ABL60811 Recombina
79	117.6	2.5	1055	1	AAN90762 Synthetic
80	117	2.5	975	4	AAF62772 Synthetic
81	116.8	2.5	474	1	AAN94368 3' end ha
82	116.8	2.5	955	1	AAN90760 Synthetic
83	116.4	2.5	927	3	AAC50793 Horseradi
84	116.4	2.5	927	3	AAC50794 Horseradi
85	116.4	2.5	927	3	AAC50798 Horseradi
86	116.4	2.5	927	3	AAC50791 Horseradi
87	116.4	2.5	927	3	AAC50792 Horseradi
88	116.4	2.5	927	5	AAI65879 Nucleotid
89	116.4	2.5	927	5	AAI65878 Nucleotid
90	116.4	2.5	927	5	AAI65876 Nucleotid
91	116.4	2.5	927	5	AAI65877 Nucleotid
92	114.8	2.4	575	13	ACN58193 Cotton gy

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OM nucleic - nucleic search, using sw model

Run on: April 11, 2006, 17:55:53 ; Search time 17929.4 Seconds

(without alignments)
12264.715 Million cell updates/sec

Title: US-08-939-905D-2

Perfect score: 4700

Sequence: 1 tagataaaaaaaggatat.....ttaaggtaacttaattaatca 4700

Scoring table: IDENTITY_NUC

Gapop 10.0 , Gapext 1.0

Searched: 41078325 seqs, 23393541228 residues

Total number of hits satisfying chosen parameters: 82156650

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 100 summaries

Database :

EST:*

1: gb_est1:*

2: gb_est2:*

3: gb_est3:*

4: gb_hic:*

5: gb_est4:*

6: gb_est5:*

7: gb_est6:*

8: gb_est7:*

9: gb_ges1:*

10: gb_ges2:*

11: gb_ges3:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
C 1	667	14.2	766	2	BE659320 GM7000009A
C 2	625	13.3	664	2	BE822567 GM700018A
C 3	582	12.4	663	2	BE822838 GM700019A
4	492	10.5	494	1	AW277864 sf87E04.Y
5	490	10.4	540	2	BE660610 4-H2 Gmax
6	480	10.2	518	1	AW704748 sk5Sa02.Y
7	479.4	10.2	546	1	AW278026 sf89G01.Y
8	479	10.2	541	1	AW279469 sf90a03.Y
9	471.2	10.0	803	2	BE660615 560 GmaxS
10	465.6	9.9	583	1	AI960823 sc91a06.Y
11	427	9.1	427	2	BE610364 sq53f08.Y
12	424.4	9.0	592	1	AW704659 sf90a03.Y
13	413.2	8.8	602	1	AW705617 sk5Ah10.Y
14	387	8.2	584	1	AW705730 sk51b02.Y
15	384.2	8.2	639	2	BE608629 eq39d08.Y
16	378.2	8.0	448	2	BE653639 sad76h10.Y
17	361.4	7.7	363	1	AW706826 sk04a03.Y
18	327	7.0	370	1	AW704798 sk55f05.Y
19	323	6.9	333	1	AW596852 sf83e07.Y
20	314	6.7	342	1	AW705740 sk51c03.Y
21	306	6.5	691	1	AW278775 sf97d02.Y
C 22	304.8	6.5	632	6	CA919442 EST637160

23	304.8	6.5	666	3	BI310749
24	304.8	6.5	711	3	BI311030
25	301.6	6.4	705	6	CF068887
C 26	296.8	6.3	783	6	CA922444
C 27	290.8	6.2	676	7	CF921756
C 28	290.4	6.2	700	2	CG450776
C 29	284.8	6.1	827	8	CX548586
C 30	284.2	6.0	546	7	CF923017
C 31	276.2	5.9	604	1	AJ548005
C 32	274.2	5.8	587	1	AJ548051
33	259.2	5.5	761	6	CA411512
34	253.4	5.4	561	1	AW329072
35	253.4	5.4	642	3	BM815081
36	253.4	5.4	713	3	BM813242
C 37	253.4	5.4	719	2	CG645964
C 38	253.4	5.4	723	2	CG588944
C 39	253.4	5.4	785	5	BQ750515
C 40	253.2	5.4	941	10	CG939284
C 41	249.6	5.3	572	7	CV543546
42	249.2	5.3	569	2	CG352848
43	248.6	5.3	609	2	CG588131
44	247.4	5.3	545	2	BE240004
C 45	241	5.1	657	6	CF806319
C 46	240.8	5.1	766	2	CG645596
47	240.2	5.1	709	3	BM813494
C 48	240.2	5.1	798	6	CA922296
C 49	238	5.1	596	2	CG588293
C 50	237.2	5.0	626	8	CF809127
51	236.8	5.0	557	6	CF809140
52	236.8	5.0	557	6	CF807822
53	236	5.0	550	6	CF807822
54	235.8	5.0	577	7	CO513985
55	235.8	5.0	688	3	BQ148894
56	235.6	5.0	752	6	CF808096
C 57	234.4	5.0	602	6	CA923167
58	233.8	5.0	535	6	CA409856
59	233.8	5.0	624	1	AW559731
60	233.8	5.0	649	2	BE202877
C 61	233.8	5.0	658	6	CA920995
62	233.8	5.0	665	2	BI269941
63	233.8	5.0	712	3	BM812811
C 64	233.8	5.0	778	3	BM780027
C 65	233	5.0	559	2	BE941478
C 66	232.8	5.0	686	5	BU546690
67	231.2	4.9	639	6	CF806893
68	231.2	4.9	655	2	CG447736
C 69	230.8	4.9	736	3	BI970192
C 70	229.4	4.9	491	3	BP047048
C 71	229.2	4.9	787	3	BI970492
72	229	4.9	732	1	AW267818
73	229	4.9	735	6	CB894627
74	228.6	4.9	678	1	AJ497412
75	227.6	4.8	709	6	CF808582
76	227.4	4.8	645	2	BI270728
77	226.6	4.8	762	2	CG588639
78	226	4.8	503	1	AW666073
79	225.8	4.8	616	3	BQ122725
80	225.6	4.8	629	1	AW329286
C 81	224.6	4.8	685	7	CF921868
C 82	224.2	4.8	723	5	CF921868
83	223.8	4.8	577	1	AW620991
84	223.2	4.7	740	3	BM812841
C 85	221.8	4.7	734	6	CD858835
C 86	221	4.7	763	3	BI969603
87	220.6	4.7	665	3	BM815870
88	220.2	4.7	605	1	AI960938
89	220	4.7	498	1	AW706591
90	219.6	4.7	476	1	AW706578
91	219.6	4.7	824	1	AI959837
92	219.2	4.7	547	3	BM886367
93	219	4.7	676	8	CX549668
94	218.8	4.7	526	5	BQ610310
95	218.6	4.7	513	1	AW830377

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OM nucleic - nucleic search, using sw model

Run on: April 11, 2006, 17:55:53 ; Search time 4745.58 Seconds

(without alignments)

12264.715 Million cell updates/sec

Title: US-08-939-905D-1

Perfect score: 1244

Sequence: 1 atgggttccatgcgtctatt.....ttaaggtaacttaataca 1244

Scoring table: IDENTITY_NUC

Gapop 10.0 , Capext 1.0

Searched: 41078325 seqs, 23393541228 residues

Total number of hits satisfying chosen parameters: 82156650

Minimum DB seq length: 0

Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 100 summaries

Database :

EST:*

1: gb_est1:*

2: gb_est2:*

3: gb_est3:*

4: gb_hcc:*

5: gb_est4:*

6: gb_est5:*

7: gb_est6:*

8: gb_est7:*

9: gb_gss1:*

10: gb_gss2:*

11: gb_gss3:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	780	62.7	824	1	AI959837
2	731	58.8	766	2	BE659320
3	678	54.5	691	2	BE660616
4	665	53.5	691	1	AW278775
5	649.2	52.2	672	1	AW185769
6	639	51.4	663	2	BE622838
7	625.4	50.3	648	2	BE660617
8	623	50.1	639	2	BE608629
9	623	50.1	639	2	BE608629
10	598	48.1	610	2	BE660609
11	589.2	47.4	603	2	BE660615
12	585	47.0	597	2	BE660608
13	583	46.9	584	1	AW705730
14	582.6	46.8	850	6	CB893969
15	582.2	46.8	606	1	AI960938
16	581.4	46.7	592	1	AW704659
17	579.4	46.6	602	1	AW705617
18	579.2	46.6	608	1	AW705946
19	567.6	45.6	583	1	AI960823
20	559.8	45.0	566	1	AW705638
21	544.4	43.8	546	1	AW278026
22	539	43.3	541	1	AW279469

23	527.8	42.4	762	6	CA858456
24	521.8	41.9	782	7	CF921089
25	517	41.6	518	1	AW704748
26	516	41.5	749	2	BE660611
27	505.6	40.6	525	2	BE660614
28	492	39.5	494	1	AW277864
29	491.4	39.5	686	7	CV544164
30	490	39.4	540	2	BE660610
31	486.8	39.1	544	1	AW100017
32	477.8	38.4	688	1	AW585492
33	459	36.9	700	2	BG450776
34	454.4	36.5	478	1	AW100117
35	449.8	36.2	757	3	BM814541
36	444.8	35.8	780	6	CB893170
37	444	35.7	456	2	BE608547
38	442.8	35.6	829	6	CB895212
39	434.6	34.9	817	7	CV530668
40	434	34.9	740	3	BM812841
41	427	34.3	427	2	BE610364
42	426.6	34.3	947	8	CG664670
43	423.8	34.1	744	6	CB891546
44	423.8	34.1	786	2	BG584481
45	421	33.8	688	2	BG584695
46	419.6	33.7	428	2	BE660613
47	419	33.7	809	7	CF922363
48	417.6	33.6	739	7	CF920556
49	415.2	33.4	795	2	BG581874
50	415.2	33.4	801	3	BQ165406
51	414.8	33.3	785	2	BG585041
52	413.6	33.2	423	2	BE660612
53	409.6	32.9	792	2	BG645228
54	409.4	32.9	898	8	CG663468
55	409.2	32.9	821	2	BG584527
56	408.2	32.8	768	7	CV530667
57	407.4	32.7	785	2	BG585125
58	403.2	32.4	724	3	BM780065
59	399	32.1	766	1	AJ846031
60	398.2	32.0	745	1	AW559660
61	397.6	32.0	676	8	CA549668
62	397	31.9	666	3	BI310749
63	395.4	31.8	746	1	AW981426
64	395.2	31.7	749	3	BM779906
65	394.2	31.7	730	1	AW774581
66	393	31.6	616	3	BQ122725
67	392.8	31.6	783	6	CA922444
68	390	31.4	883	3	CA663842
69	388.4	31.2	705	6	CF068887
70	385	30.9	711	3	BI311030
71	384.4	30.9	668	1	AW685437
72	384.2	30.9	1019	8	CA664671
73	384	30.9	707	1	AW775762
74	383.4	30.8	980	8	CV886059
75	383	30.8	679	1	AW775425
76	381.8	30.7	676	2	BG586013
77	381.8	30.7	676	2	BG586895
78	381.8	30.7	590	3	BQ165072
79	381.8	30.7	752	6	CF808096
80	380.6	30.6	683	2	BF004890
81	380.6	30.6	700	7	CG606333
82	379.4	30.5	695	2	BG646973
83	379.2	30.5	655	2	BG447736
84	379	30.5	667	2	BG581214
85	378.6	30.4	649	7	CA825018
86	378.6	30.4	670	2	BG586073
87	378.6	30.4	675	3	BM813644
88	378.2	30.4	448	2	BG653639
89	377.8	30.4	703	1	AW561032
90	377.6	30.4	682	6	CA411277
91	377.6	30.4	706	7	CF922324
92	377	30.3	659	2	BI263911
93	376	30.2	979	8	CV884939
94	375.6	30.2	690	1	AW586142
95	375.4	30.2	698	8	CA534673

CA858456	EST635711
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AW704748	EX55302.Y
BE660611	7-D4 Gmax
BE660614	509 Gmax
AW277864	sf87f04.Y
CV544164	RTS_145_A
BE660610	4-H2 Gmax
AW100017	ed19h02.Y
AW585492	EST317115
AW585492	EST317115
BG450776	NF095B09D
AW100117	sq20e07.Y
BM814541	EST592635
CB893170	EST645962
BE608547	gc36h11.Y
CB895212	EST648004
CV530668	ALV_014C
BM812841	EST590934
BE610364	sq53f08.Y
CG664670	UCRCP01.0
CB891546	EST648515
BG584481	EST486241
BG584695	EST486456
BE660613	93 GmaxSC
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CF920556	gnrhrww3-
BG581874	EST483610
BQ165406	EST611287
BG585041	EST486803
BE660612	92 GmaxSC
BG645228	EST506847
CG663468	UCRCP01.0
BG584527	EST486288
CV530667	ALV_014C
BG585125	EST486887
BM780065	EST590641
AJ846031	AJ846031
AW559660	EST314772
CA549668	MMAM-37D
BI310749	EST531249
AW981426	EST392579
BM779906	EST590482
AW774581	EST333732
BQ122725	EST608301
CA922444	EST640162
CA663842	UCRCP01.0
CF068887	EST669608
BI311030	EST531278
AW685437	NF029D09N
CA664671	UCRCP01.0
AW775762	EST334827
CV886059	UCRC504.2
AW775425	EST334490
BG586013	EST487778
BG586895	EST488664
BQ165072	EST610941
CF808096	ph8B032XB
CG606333	gnrhrww6-
BG646973	EST508592
BG447736	NF093D11E
BG581214	EST482946
CA825018	LJPEST1H3
BG586073	EST487838
BM813644	EST591737
BG653639	aad76h10.
AW561032	EST316080
CA411277	EST3_F-P
CF922324	gnrhrww24
BI263911	NF110G08P
CV884939	UCRC504.2
AW586142	EST317765
CA534673	bl3DNF49A